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(54) **PRODUCTION OF HYDROGEN PEROXIDE**

(57) Abstract:

PURPOSE: To efficiently produce hydrogen peroxide by a direct single-stage reaction operation by allowing hydrogen to react with oxygen in an aq. soln.

CONSTITUTION: Hydrogen is allowed to react with

oxygen-contg. gas in an acidic aq. soln. at 10-50°C under 5-50kg/cm²G pressure in the presence of a catalyst obtd. by carrying fine gold particles having ≤ 50 nm particle size on a hydrophobic carrier.

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